

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method for detecting a wireless access device on a network, said method comprising:

receiving from the network a packet with an address; and

indicating that the received packet corresponds to the wireless access device

based on the first three octets of the address and on an operating system associated with the received packet.

2. (Currently Amended) A method for detecting a wireless access device on a network, said method comprising:

receiving from the network a packet with an address; comparing the address with one or more registered addresses;

determining an operating system associated with the address, when said

comparing the address results in a match between the address and at least one of the registered addresses;

comparing the determined operating system with one or more stored operating systems, such that at least one of the stored operating systems corresponds to the wireless access device; and

indicating that the received packet corresponds to the wireless access device  
based on the first three octets of the address and when the determined  
operating system matches at least one of the stored operating systems.

3. (Original) The method of claim 2, wherein said receiving further comprises:  
receiving the address with information identifying a source of the packet.

4. (Original) The method of claim 3, further comprising:  
using an organizationally unique identifier as the information identifying the  
source.

5. (Original) The method of claim 2, wherein said receiving further comprises:  
receiving the address based on passively monitoring the network.

6. (Original) The method of claim 2, wherein comparing the address further  
comprises:  
determining whether a portion of the address is similar to a portion of at least one  
of the registered addresses.

7. (Original) The method of claim 2, wherein comparing the address further  
comprises:

determining whether a first organizationally unique identifier of the address is similar to a second organizationally unique identifier of at least one of the registered addresses.

8. (Original) The method of claim 2, wherein determining the operating system further comprises:

determining the operating system at the Internet Protocol address associated with the address.

9. (Original) The method of claim 8, wherein determining the operating system further comprises:

determining the operating system using an nmap.

10. (Original) The method of claim 2, wherein said indicating further comprises: indicating the wireless access device is not authorized on the network.

11. (Original) The method of claim 2, further comprising:

storing the one or more registered addresses, such that the one or more registered addresses are searchable.

12. (Original) The method of claim 2, further comprising:

storing a portion of at least one of the registered addresses.

13. (Original) The method of claim 12, further comprising:

using an organizationally unique identifier as the portion.

14. (Original) The method of claim 13, further comprising:

storing a plurality of the organizationally unique identifiers, such that the organizationally unique identifiers are searchable.

15. (Original) The method of claim 14, further comprising:

storing the plurality of the organizationally unique identifiers, such that a more frequently encountered organizationally unique identifier is searched before a less frequently encountered organizationally unique identifier.

16. (Original) The method of claim 2, further comprising:

storing the stored operating systems, such that a more frequently encountered stored operating system is searched before a less frequently encountered stored operating system.

17. (Original) The method of claim 1, further comprising:

indicating that the received packet corresponds to the wireless access device when the determined operating system does not match the stored operating systems.

18. (Currently Amended) A system for detecting a wireless access device on a network, said system comprising:

means for receiving from the network a packet with an address;

means for comparing the address with one or more registered addresses; means  
for determining an operating system associated with the address, when  
said comparing the address results in a match between the address and  
at least one of the registered addresses;

means for comparing the determined operating system with one or more stored  
operating systems, such that at least one of the stored operating systems  
corresponds to the wireless access device; and

means for indicating that the received packet corresponds to the wireless access  
device based on the first three octets of the address and when the  
determined operating system matches at least one of the stored operating  
systems.

19. (Currently Amended) A system for detecting a wireless access device on a  
network, said system comprising:

at least one memory comprising:

code that receives from the network a packet with an address; code that  
compares the address with one or more registered addresses;

code that determines an operating system associated with the address, when  
said comparing the address results in a match between the address and  
at least one of the registered addresses;

code that compares the determined operating system with one or more stored operating systems, such that at least one of the stored operating systems corresponds to the wireless access device; and

code that indicates that the received packet corresponds to the wireless access device based on the first three octets of the address and when the determined operating system matches at least one of the stored operating systems; and

at least one data processor that executes said code.

20. (Original) The system of claim 19, wherein said code that receives further comprises:

code that receives the address with information identifying a source of the packet.

21. (Original) The system of claim 20, further comprising:

code that uses an organizationally unique identifier as the information identifying the source.

22. (Original) The system of claim 19, wherein said code that receives further comprises:

code that receives the address based on passively monitoring the network.

23. (Original) The system of claim 19, wherein code that compares the address further comprises:

code that determines whether a portion of the address is similar to a portion of at least one of the registered addresses.

24. (Original) The system of claim 19, wherein said code that compares the address further comprises:

code that determines whether a first organizationally unique identifier of the address is similar to a second organizationally unique identifier of at least one the registered addresses.

25. (Original) The system of claim 19, wherein said code that determines the operating system further comprises:

code that determines the operating system at the Internet Protocol address associated with the address.

26. (Original) The system of claim 25, wherein said code that determines the operating system further comprises:

code that determining the operating system using an nmap.

27. (Original) The system of claim 19, wherein said code that indicates further comprises:

code that indicates the wireless access device is not authorized on the network.

28. (Original) The system of claim 19, further comprising:  
code that stores the one or more registered addresses, such that the one or more registered addresses are searchable.

29. (Original) The system of claim 19, further comprising:  
code that stores a portion of at least one of the registered addresses.

30. (Original) The system of claim 19, further comprising:  
code that uses an organizationally unique identifier as the portion.

31. (Original) The system of claim 30, further comprising:  
code that stores a plurality of the organizationally unique identifiers, such that the organizationally unique identifiers are searchable.

32. (Original) The system of claim 31, further comprising:  
code that stores the plurality of the organizationally unique identifiers, such that a more frequently encountered organizationally unique identifier is searched before a less frequently encountered organizationally unique identifier.

33. (Original) The system of claim 19, further comprising:



code that stores the stored operating systems, such that a more frequently encountered stored operating system is searched before a less frequently encountered stored operating system.

34. (Currently Amended) A computer program product for detecting a wireless access device on a network, the computer program product comprising:

code that receives from the network a packet with an address; code that compares the address with one or more registered addresses;

code that determines an operating system associated with the address, when said comparing the address results in a match between the address and at least one of the registered addresses;

code that compares the determined operating system with one or more stored operating systems, such that at least one of the stored operating systems corresponds to the wireless access device; and

code that indicates that the received packet corresponds to the wireless access device based on the first three octets of the address and when the determined operating system matches at least one of the stored operating systems; and

at least one data processor that executes said code.

35. (Original) The computer program product of claim 34, wherein said code that receives further comprises:

code that receives the address with information identifying a source of the packet.

36. (Original) The computer program product of claim 35, further comprising:  
code that uses an organizationally unique identifier as the information identifying the source.

37. (Original) The computer program product of claim 34, wherein said code that receives further comprises:

code that receives the address based on passively monitoring the network.

38. (Original) The computer program product of claim 34, wherein code that compares the address further comprises:

code that determines whether a portion of the address is similar to a portion of at least one of the registered addresses.

39. (Original) The computer program product of claim 34, wherein said code that compares the address further comprises:

code that determines whether a first organizationally unique identifier of the address is similar to a second organizationally unique identifier of at least one of the registered addresses.

40. (Original) The computer program product of claim 34, wherein said code that determines the operating system further comprises:

code that determines the operating system at the Internet Protocol address associated with the address.

41. (Original) The computer program product of claim 34, wherein said code that determines the operating system further comprises:

code that determines the operating system using an nmap.

42. (Original) The computer program product of claim 34, wherein said code that indicates further comprises:

code that indicates the wireless access device is not authorized on the network.

43. (Original) The computer program product of claim 34, further comprising:  
code that stores the one or more registered addresses, such that the one or more registered addresses are searchable.

44. (Original) The computer program product of claim 34, further comprising:  
code that stores a portion of at least one of the registered addresses.

45. (Original) The computer program product of claim 34, further comprising:  
code that uses an organizationally unique identifier as the portion.

46. (Original) The computer program product of claim 45, further comprising:  
code that stores a plurality of the organizationally unique identifiers, such that the organizationally unique identifiers are searchable.

47. (Original) The computer program product of claim 46, further comprising:  
code that stores the plurality of the organizationally unique identifiers, such that a more frequently encountered organizationally unique identifier is searched before a less frequently encountered organizationally unique identifier.

48. (Original) The computer program product of claim 34, further comprising:  
code that stores the stored operating systems, such that a more frequently encountered stored operating system is searched before a less frequently encountered stored operating system.

49. (Currently Amended) A system comprising:  
a network; and  
a processor connected to the network, wherein the processor receives one or more packets, with an address, from the network, the processor further comprising:  
means for determining an operating system associated with at least one of the packets, when an Organizationally Unique Identifier included in the at least one packet represents a wireless access device;

means for comparing the determined operating system with one or more  
wireless access device operating systems; and  
means for indicating that the at least one packet corresponds to the  
wireless access device[[,]] based on the first three octets of the  
address and when the determined operating system matches at  
least one of the wireless access device operating systems.

50. (Currently Amended) A system comprising:

a network;

a first processor interfaced to the network; and .

a second processor interfaced to the network, wherein the second processor  
receives one or more packets, with an address, from the network and the  
first processor, the second processor further comprising means for  
indicating that the first processor corresponds to a wireless access device  
based on [[an]] the first three octets of the address of the first processor  
and on an operating system of the first processor.

51. (Currently Amended) A system for detecting a wireless access device on a  
network, said system comprising:

at least one memory comprising

code that receives from the network a packet with an address; and

code that indicates that the received packet corresponds to the wireless access device based on the first three octets of the address and on an operating system associated with the received packet; and at least one processor for executing said code.

52. (Currently Amended) A computer program product, tangibly embodied in a computer-readable storage medium, for detecting a wireless access device on a network and containing instructions which, when executed on a processor, perform a method comprising:

receiving, from the network, a packet with an address; and indicating that the received packet corresponds to the wireless access device based on the first three octets of the address and on an operating system associated with the received packet.